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on 8/14/02

By: Annie Wong
Annie Wong

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Hagemeyer et al.
Serial No.: 09/901,858
Filed: 7/9/01
For: Methods for Analysis of Heterogeneous Catalysts in a Multi-Variable Screening Reactor

Group Art Unit: 1764 1743

Examiner: Unknown Quan

Assistant Commissioner for Patents
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Sir:

Applicants submit herewith patents, publications and other information of which they are aware, which they believe an examiner may consider to be material to the patentability of the claims of this application, and in respect of which there may be a duty to disclose in accordance with 37 C.F.R. § 1.56.

While this Information Disclosure Statement may contain "material" information pursuant to 37 C.F.R. § 1.56, it is not intended to constitute an admission that any patent, publication or other information referred to herein is either "material" or "prior art" to the invention disclosed and claimed in the above-referenced application unless specifically designated as such. Applicants specifically reserve the right, where appropriate, to avoid or antedate any such reference by the appropriate arguments or showings under 37 C.F.R. § 1.131 and § 1.608, or any other appropriate means.

A completed PTO Form 1449 listing each reference is submitted herewith, and it is respectfully requested that an Examiner initialed copy of the PTO Form 1449 be returned to the undersigned. A copy of each reference therein listed accompanies this Information Disclosure Statement.

This Information Disclosure Statement is being filed within three months of the filing or entry of the national stage of this application, or before the mailing of a first Office Action on the merits, whichever is later. No fee is required under 37 C.F.R. § 1.97(b). However, in the event that more than 90 days from filing have elapsed and a first

SAT #6
Docket No. 99-34R1 8-22-02
Patent

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Office Action on the merits has been mailed, the Commissioner is hereby authorized to charge the fee required under 37 C.F.R. 1.17(p) to Deposit Account Number 50-0496.

The Examiner is hereby requested to consider these references and other information and make them of record in the above-referenced application. Applicants respectfully submit that the claims of this application are patentable over the above-cited references and information. Examination and allowance of this application at an early date are requested.

Respectfully submitted,

Date:

Aug. 14, 2002

By:

Paul A. Stone
Paul A. Stone, Registration No. 38,628

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INFORMATION DISCLOSURE CITATION PTO-1449	ATTORNEY'S DOCKET NO.:	APPLICATION NO.:
	99-34R1	09/901,858
	APPLICANT: Hagemeyer et al.	
FILING DATE: 7/9/2001		GROUP: 1764

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AUG 20 2002
TC-1700

US PATENT DOCUMENTS

EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	4,705,669	11/10/87	Tsuji et al.	422	93	8/27/86
	4,869,282	9/26/89	Sittler et al.	137	15	12/09/88
	5,776,359	7/07/98	Schultz et al	252	62.51	5/08/95
	5,780,748	7/14/98	Barth	73	861.47	1/29/97
	5,842,787	12/1/98	Kopf-Sill et al.	366	340	10/9/97
	5,865,417	2/2/99	Harris et al.	251	11	9/27/96
	5,922,591	7/13/99	Anderson et al.	435	287.2	6/27/96
	5,927,325	7/27/99	Bensaoula et al.	137	599	10/25/96
	5,959,297	9/28/99	Weinberg et al	250	288	10/8/97
	5,985,356	11/16/99	Schultz et al	427	8	10/18/94
	6,004,617	12/21/99	Schultz et al	427	8	6/07/95
	6,030,917	2/29/00	Weinberg et al	502	104	7/22/97
	6,063,633	5/16/00	Willson	436	37	6/17/96
	6,087,181	7/11/00	Cong	436	37	3/16/98
	6,149,882	11/21/00	Guan et al	422	211	6/09/98
	6,175,409	1/16/01	Nielsen et al	356	337	4/02/99
	US-20020014106	2/07/02	Srinivasan et al.			3/07/01
	US-20020042140	4/11/02	Hagemeyer et al.			7/09/01
	US-20020045265	4/18/02	Bergh et al.			3/08/01
	US-20020048536	4/25/02	Bergh et al.			3/07/01

FOREIGN DOCUMENTS

EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES	NO
	DE 27 14 939 B2	11/29/79	Germany	G01N	31/10		x
	DE 196 32 779 A1	2/19/98	Germany	G01N	35/00	x	
	DE 198 05 719 A1	8/19/99	Germany	B01J	35/04	x	
	DE 198 06 848 A1	8/19/99	Germany	B01J	35/02	x	
	DE 198 09 477 A1	9/16/99	Germany	G01N	31/10	x	
	EP 0 796 654 A2	9/24/97	EPO	B01J	19/00		x

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**INFORMATION DISCLOSURE
CITATION**

PTO-1449

ATTORNEY'S DOCKET NO.:

99-34R1

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APPLICANT:

Hagemeyer et al.

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FOREIGN DOCUMENTS

EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES	NO
	WO 97/32208	9/04/97	PCT	G01N	31/10		x
	WO 98/03521	1/29/98	PCT	C07F	19/00		
	WO 98/07026	2/19/98	PCT	G01N	31/10	x	
	WO 98/13137	4/02/98	PCT	B01J	19/00		x
	WO 98/13605	4/02/98	PCT	F15C	5/00		x
	WO 98/53236	11/26/98	PCT	F16K	31/126		x
	WO 99/41005	8/19/99	PCT	B01J	19/00	x	
	WO 00/09255	2/24/00	PCT	B01J	19/00		
	WO 00/14529	3/16/00	PCT	G01N	31/02		
	WO 00/17413	3/30/00	PCT	C23C	14/04		
	WO 00/51720	9/08/00	PCT	B01J	19/00		x
	WO 01/00315	1/04/01	PCT	B01J	19/00		x
	WO 01/66245	9/13/01	PCT	B01J	19/00		x

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages etc.)

Berenschot, J.W., et al., "Micromachining of {111} Plates in <001> Oriented Silicon", *J. Micromech. Microeng.* 8 (1998) 104-107

Bruns, Mark W., "The Application of Silicon Micromachining Technology and High Speed Gas Chromatography to On-Line Process Control", *MTI Analytical Instruments*

Bruns, Mark W., "Silicon Micromachining and High Speed Gas Chromatography", *IEEE*, 1992, pp. 1640-1644

Grosjean et al., "A Practical Thermopneumatic Valve", *IEEE*, 1999, pp. 147-152

Haswell, Stephen J. et al., "The Application of Micro Reactors to Synthetic Chemistry", *Chem. Commun.*, 2001, 391-398


Hendrix, Charles D., "What Every Technologist Should Know About Experimental Design", *Chemtech*, 1979, pp. 167-174

Henning, Albert K. et al., "Microfluidic MEMS for Semiconductor Processing", *IEEE*, 1998, Vol. 21, pp. 329-337

Hinderling, Christian et al., "Rapid Screening of Olefin Polymerization Catalyst Libraries by Electrospray Ionization Tandem Mass Spectrometry", *Angew. Chem. Int. Ed.*, 1999, 38, No. 15, pp. 2253-2256

Lambert, Richard H. et al., "Utilization of a Portable Microchip Gas Chromatograph to Identify and Reduce Fugitive Emissions at a Pharmaceutical Manufacturing Plant", *Field Analytical Chemistry and Technology*, 1997, 1(6): 367-374

Oosterbroek, R.E. et al., "Utilizing the {111} Plane Switch-Over Etching Process for Micro Fluid Control Applications"

 <p>INFORMATION DISCLOSURE CITATION</p> <p>PTO-1449</p>	ATTORNEY'S DOCKET NO.: 99-34R1	APPLICATION NO.: 09/901,858
	APPLICANT: Hagemeyer et al.	
	FILING DATE: 7/9/2001	GROUP: 1764
OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages etc.)		
	Pérez-Ramírez, J. et al., "The Six-Flow Reactor Technology-A Review on Fast Catalyst Screening and Kinetic Studies", <i>Catalysis Today</i> , 2000, 60, 93-109	
	Rich et al., "An 8-Bit Microflow Controller Using Pneumatically-Actuated Valves", <i>IEEE</i> , 1999, pp 130-134	
	Sadler, Daniel J. et al., "A New Magnetically Actuated Microvalve For Liquid and Gas Control Applications", Center for Microelectronic Sensors and MEMS, University of Cincinnati	
	Wang et al., "A Parylene Micro Check Valve", <i>IEEE</i> , 1999, pp. 177-182	
	Wijngaarden et al., "Industrial Catalysts – Optimizing Catalysts and Processes", Wiley-VCH, Germany (1998).	
	Zdeblick et al., "Thermopneumatically Actuated Microvalves and Integrated Electro-Fluidic Circuits", TRF, Solid State Sensor and Actuator Workshop, Hilton Head, South Carolina, June 13-16, 1994, pp 251-255	
EXAMINER:	DATE CONSIDERED:	

Examiner: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



1764

Docket No. 99-34R1
PATENT

CERTIFICATE OF MAILING

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BY: Ann Day

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Examiner: Unknown

Assistant Commissioner for Patents
Washington, D.C. 20231

TRANSMITTAL LETTER

Sir:

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Transmitted herewith (check all that apply):

- | | |
|---|--|
| <input type="checkbox"/> Preliminary Amendment | <input checked="" type="checkbox"/> Information Disclosure Statement |
| <input type="checkbox"/> Response/Amendment | <input type="checkbox"/> Petition Under 37 CFR 1.97(d)(2) |
| <input type="checkbox"/> Response/Amendment After Final | <input type="checkbox"/> Formal Drawings |
| <input type="checkbox"/> Supplemental Amendment | <input type="checkbox"/> Declaration Under 37 CFR 1.131 |
| <input type="checkbox"/> Affidavits/Declarations | <input type="checkbox"/> Declaration Under 37 CFR 1.132 |
| <input type="checkbox"/> Declaration and Power of Attorney | <input type="checkbox"/> Terminal Disclaimer |
| <input type="checkbox"/> Supplemental Declaration | <input type="checkbox"/> Small Entity Statement |
| <input type="checkbox"/> Associate Power of Attorney | <input type="checkbox"/> Request for Refund |
| <input type="checkbox"/> Change of Correspondence Address | <input type="checkbox"/> Appeal |
| <input type="checkbox"/> Associate Power of Attorney | <input type="checkbox"/> Petition |
| <input type="checkbox"/> Request for Corrected Filing Receipt | <input type="checkbox"/> Status Letter |

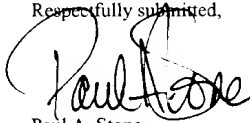
to be filed in the above-identified patent application.

☒ No fee is required.

☒ The Commissioner is hereby authorized to charge payment of any additional filing fees required under 37 C.F.R. § 1.16, in connection with the paper(s) transmitted herewith, or credit any overpayment of same, to Deposit Account No. 50-0496.

A duplicate copy of this Transmittal Letter is transmitted herewith.

Respectfully submitted,

A handwritten signature in dark ink, appearing to read "Paul A. Stone". The signature is stylized with a large, looping initial "P" and "S".

Paul A. Stone
Reg. No. 38,628
Attorney for Applicant(s)

Date: Aug. 14, 2002

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